1/6 POLYMORPHISMS IN THE FCER1A GENE

AAACAGAAGA	ATTAGTAAAG	GAATCCTGGA	GAAAGCCCCT	GCTGTGTATT	
	AGGGAGATCA				100
	AAGTAAAATA				
	AACTTCTGCC				200
	AGGAGTCTCT				200
	AGTGAATCAG				200
					300
	AATTAAACAA				
	GCAGTTGCTA				400
				GTGTTTGAAC	
CCCAAATTAG	TTATTTAATA	GTTGGCACCC	CAAAACAAGT	TACTTAACCT	500
	CAGTTTTCCT				
ACTTTATAGG	ATTATTGTGA	AAAATAAATG	AAATATCAGA	TTTATTTAGG	600
			G		
ATAACACCTG	GCATATGTTT	GGTATTCAGT	AATTAGTTGC	TGCTGTTTTA	
	CCTTGCATCC				700
C			1101101111110	111111111111111	700
TACACAGATT	GACAGATTAA	CANACCCTTC	TO A TO CO CO	A C A C C M A M C C	
CTCTCTCTCTC	CCAGATTCCA	CCTCTATATC	MCCA CCMCCC	AGACCIAIGC	
					800
	GTAAATATTA				
TATCTCTAAA	GAAAGAAGCA	AAACCAGGCA	CAGCTGATGG	GTTAACCAGA	900
	AAAACATTTC	CTTCTGCTTT	TTGGTTTTAA	GCCTATATTT	
С	T				
GAAGCCTTAG	ATCTCTCCAG	CACAGTAAGC	ACCAGGAGTC	CATGAAGAAG	1000
ATGGCTCCTG	CCATGGAATC	CCCTACTCTA	CTGTGTGTAG	CCTTACTGTT	
	2: 1001				
CTTCGGTAAG	TAGAGATTCA	ATTACCCCTC	CCAGGGAGGC	CCAAATGAAT	1100
		A			1100
	105	51			
TTGGGGAGCA	GCTGGGGTAG		тетесетест	CACTTTTTTCT	
AGGACATGTG	CAAACTATTG	GGCATTTCCC	AGGGACTCTG	TACTCCACCC	1200
	GCAGAGGCAA				1200
	CTTGGTTCCT				
					1300
	CAAGGTAATG				
	TCATTCCTGA				1400
TGTAGATCTT	ATCCCCACAC	CCAGATTCTA	GTCCTCTGGA	GATAAAGAAG	
ACTGCTGGAC			CTTTTGCAGC	TCCAGATGGC	1500
	С	A	,		
	3: 1490				
GTGTTAGCAG	GTGAGTCCTC		CCCTTGGTGT	ATCAACATGT	
	1510				
CTGGGCATTG	CTTTCCTCTC	ACTATTTCT	TCGTCCCATC	ACTTCTGCTT	1600
TCTAATGAGC	ATGAATCTGT	TCCTTGGCCA	GACTACTTTC	CCTCTCCACC	
T				0010100	
TTGCCTTGTC	TTTCTTTTT	TCCCTGATTC	ATTGCATTCT	СТСАВСТСАТ	1700
TCTCTCCTCT					1700
TCATTCTCTC					1000
ATTATTATTA	TOCIAGACAC	ATAMERCACA	AMCCMCAA	TAATTACATT	1800
TCTGGTGGTT					1900
TCTAAGTCCA					
ATCTACTTCT					2000
GGAAGCCATT	CAAGACTGAC	TTTCTTAGTG	CCTCTCACTA	CTTTCTGGAA	

			0.46		
CMCA CAMAMC	TTTTTCACTC	mcmamamacm	2/6 TACAATTAAA	#AC#CA#AAA	2100
		CTTATATTTC			2100
CCATCCATAA			ATAAATATTT		2200
TGGTTGAACA		TGTTTCTACC			2200
		AAATTAACAG			2300
AATCACATAG		TCTTTGTTTT	TAAATCTCCT		2300
CCTGTCTTTC			TGGGGCACCA		2400
	TAGAAATCAA		TATCACCAAC		2400
CICCIICCC	INGAAAICAA	G	INICACCANC	NOAMIANGGA	
CAGGTTGACC	ACTGATTGTC		TTCGTTTGTA	CTTTTAAGCC	2500
	TCAATGACTT		TACATGTCTT		
		GAAACCTAAG			2600
	4: 2564				
GAATAGAATA	TTTAAAGGAG	AGAATGTGAC	TCTTACATGT	AATGGGAACA	
ATTTCTTTGA	AGTCAGTTCC	ACCAAATGGT	TCCACAATGG	CAGCCTTTCA	2700
GAAGAGACAA	ATTCAAGTTT	GAATATTGTG			
			G		
TGGAGAATAC	AAATGTCAGC	ACCAACAAGT	TAATGAGAGT	GAACCTGTGT	2800
			A		
ACCTGGAAGT	CTTCAGTGGT	AAGTTCCAGG	GATATGGAAA	TACAGATCTC	
	281	8]			
		CTGAAGATGG			2900
GGGTTAGGAC	ACCAGAGTGG	GATTCAAGGC		TAAGACCCCT	
			C		
GCATTGGCTG	GGCACAGTGG	CTCACGCCTG	TAATCCCAGC		3000
				A	
GCTGAGGCAG	GTGGATCACG	AGGTCAGGAG	ATCGAGACCA		
1 maama111a	0007.000000	~~~~~~~~	m	A	21.00
		CTAAAAAATA			3100
	TGGGCACCTG	AGGTGGAGGT	TACTCGGGAG		3200
		CTACAGAGCA		TCAAAAAATA	3200
	TAAAAAAGAC		CTTTTCTTCT		3300
		TTCTTTCAAT			3300
0 0		CCTCTATCTT	TTCTGCCTAG		3400
		ATGACATATA		TCAAAGAGCT	3400
		AAAGGTTTGA		TGCTCTGCAT	3500
	GCAGGACCTG		TGTACTCTTC		3300
	ACATTTCCTT		TTGTTACTTA		3600
		TATCACTCCT			0000
	CACATGTGGC		AATGTTGAAT		3700
	ATAGTGACCA		TTTATACTCT		
		TCAACCTCCA			3800
ACTAAAGCAA	TGTAGAATAG	CTTCTTTATT	CCCTGGAGTA	GGTTCTAGAG	
AAGTCCTAAA	GGATTGGTCC	TAAATTAATT	ATGCTTATTA	TGCTAGCGAT	3900
ATTTCCTTTC	AAAATTCTCC	TTTAATGAAT	GCTTTTTAAT	TTTTACAAAA	
GCATTAACCA	TAGAATGTGA	TTCTTGTCTT	TCACTGACTC	ATTAGTGACA	4000
AATATTTGTT	GAGTACCTAC	CAACTCCTAA	GTATTGCTAC	CAACTCCTAA	
ATACTGTGTT	GGGCATTCAG	AATAGAATGT	AGAACTAGAC	AGGGTCCCTG	4100
ACTTCTTGGA	GCACAGAGCA	GTATGGGAAG	AGGACATTAA	ATAAAGAATT	
	mma ammma a a	mmama camem	TTTGAAGAAG	mmmmmmmm	4200
ACATAAGTAA	TIAATTTAAA	TTATACATGT	I I I GMMGMMG	TITITITI	4200
ACAACTATAA	TTAACACTAG	AACTGGGAAG		GTAAGAGAGG	4200
ACAACTATAA		AACTGGGAAG		GTAAGAGAGG	4300
ACAACTATAA ACAAAATAGA	TTAACACTAG CACTCTCCTA	AACTGGGAAG	TTTCTATAAG CCCAAGAAAG	GTAAGAGAGG ACTGTTTATT	

CTTTCAAGTG	TTCCATGTAT	GGACTCATCA	GGGAGGTCCG	AGAGGCTTTG	4400
TGGCCCCAGA	CTGACTTTTC	AGGAGGGGAA	AGGATTTATC	AATACACAAG	
		TGTGCCCTTT			4500
		TTCATAGTTT			
		TTCTCTCTCT			4600
A	101011111011	1101010101	01101111111		
	саатсттетт	CAGACTGGCT	CCTCCTTCAC	CCCTCTCCTC	
	5: 4624	CAGACIGGCI	GCICCIICAG	GCCICIGCIG	
		~~~~~~~	mar.comoacr	maammaa aa	4700
		CCCCTCTTCC			4700
		GATCTATTAT			
		ACATCTCCAT			4800
ACAGTGGAAC	CTACTACTGT	ACGGGCAAAG	TGTGGCAGCT	GGACTATGAG	
		T			
TCTGAGCCCC	TCAACATTAC	TGTAATAAAA	GGTGAGTTGG	TAAAGGAAAG	4900
	488				
GAAAAGCATC	CATAGCAGGG	GAAGGAAGAG	AGAACTTCTG	AGCCTGAGCA	
GTTGCAGCTT	GTAGAAGGGG	GGCACCTGTG	ATACACTGGA	AAGCCTACCA	5000
				T	
GACTTGCAAT	GAGGAGACCT	GGGTGATAGT	ATATATCTCA	ATCTCTGTTT	
CAAAGCCTTG	ACTTGTTAAA	TGGTGATAGT	AATACCTGCT	TGCACTATGA	5100
		С			
AATTTTTATG	AAGATTAATG	TGGTAATATT	TGTGAAATGA	CTTTGTAAAC	
		TAACAGATTG			5200
		GGGAACACTT			
		GAAAGGATAT			5300
		AAAGGAAACC			0000
		GGGAATGGAC			5400
		CTGTAAGAAA			5400
		GAAGTATTCA			5500
		GTACATAATA			5500
		CTAGCAGTTC			5600
					3600
		TCTAGGCTTC			5700
		CCATTAGAAT			3700
		TTTCTTGAGA			F000
		ATTTTTCATA			5800
		TCACTTGTCT			2.11
		CTCTATAATT			5900
		TAACAGAACC			
		TTCTTCATTT			6000
		TAGGCATTGA			
		TATATGTGAA			6100
		ATTGTCTTCC			
GCTACTGGAG	TTAAGAGGAA	ATGCTTAGGA	CTCCCTGTGG	CTCCAGGGAG	6200
CACCAACAGA	GCAACTCAAC	CTAGTGTTAA	TCTGAGTGTT	TTCTCTGTGC	
TTCTGGATGC	CACATCACGC	TAAAAATGAA	GGACAAAGCT	TGGTCTTTCT	6300
CTTAGGGAGG	ATGAAACTCT	GAACCTCATT	TTTCAGTTCC	CAAGATGAAT	
TATGTTTCTC	ATTGCATCTG	TGTTCCACTA	CAGCTCCGCG	TGAGAAGTAC	6400
[exon	6: 6384				
TGGCTACAAT	TTTTTATCCC	ATTGTTGGTG	GTGATTCTGT	TTGCTGTGGA	
CACAGGATTA	TTTATCTCAA	CTCAGCAGCA	GGTCACATTT	CTCTTGAAGA	6500
		TTCAGACTTC			
			A		
AACCCCAAAA	ACAACTGATA	TAATTACTCA		GCAACATTAG	6600
	656				
		- •			

TGGAGTAAAT GGGATTAAAG TT

## 4/6 TTTTTTCCA GCATCAGCAA TTGCTACTCA ATTGTCAAAC ACAGCTTGCA С ATATACATAG AAACGTCTGT GCTCAAGGAT TTATAGAAAT GCTTCATTAA 6700 ACTGAGTGAA ACTGGTTAAG TGGCATGTAA TAGTAAGTGC TCAATTAACA Α TTGGTTGAAT AAATGAGAGA ATGAATAGAT TCATTTATTA GCATTTGTAA 6800 AAGAGATGTT CAATTTCAAT AAAATAAATA TAAAACCATG TAACAGAATG 6900 CTTCTGAGTA TTCAAGGCTT GCTAGTTTGT TTGTTTGTTT TCTACTAAAG GCAAGGACCA TGAAGTTCTA GATTGGAAAT GTCCTCTCTT GACTATTGCA 7000 AGTGCGATCT AGGAATGAAA AGACATAGGA GGATGCCAGT GAGGTGGATC ATTTTTATGC TTCTTCTTCA GCTTACTAAA TATGAACTTT CAGTTCTTGG CAGAATCAGG GACAGTCTCA AGACATAGGA CTCTCAGGAT GAAGTAGAGT 7100 CCAGGATTCC TCTGTGATTG TTTTGCCCCT CCCAAATTTA TATCTTGAAC TTATGTCTTG TATCTTTATA CAGCACCTGA ACCAAGCATT TTGGAGAAAT 7200 TCCAGCTAAT AATAATAACC AAAACCTTCG GCTCTGAAAA CAGTCCAGGA CTGAATAAGA TCTTGGGCAA AAGAACTAGA CAGTTTTGGT TTATTTTCCC 7300 TTTCATTTTA TGTCTTCATC ATAGTCATTG GAGGCTCATT CTTCTTGTCA

7372

## 5/6 POLYMORPHISMS IN THE CODING SEQUENCE OF FCER1A

ATGGCTCCTG	CCATGGAATC	CCCTACTCTA	CTGTGTGTAG	CCTTACTGTT	
CTTCGCTCCA	GATGGCGTGT	TAGCAGTCCC	TCAGAAACCT	AAGGTCTCCT	100
TGAACCCTCC	ATGGAATAGA	ATATTTAAAG	GAGAGAATGT	GACTCTTACA	
TGTAATGGGA	ACAATTTCTT	TGAAGTCAGT	TCCACCAAAT	GGTTCCACAA	200
TGGCAGCCTT	TCAGAAGAGA			GTGAATGCCA	
AATTTGAAGA	CAGTGGAGAA	TACAAATGTC	AGCACCAACA	AGTTAATGAG	300
G					
AGTGAACCTG	TGTACCTGGA	AGTCTTCAGT	GACTGGCTGC	TCCTTCAGGC	
A					
		AGGGCCAGCC			400
		TACAAGGTGA			
		GAACCACAAC			500
AGTTGAAGAC	AGTGGAACCT	ACTACTGTAC	GGGCAAAGTG	TGGCAGCTGG	
		T			
ACTATGAGTC	TGAGCCCCTC	AACATTACTG	TAATAAAAGC	TCCGCGTGAG	600
AAGTACTGGC	TACAATTTTT	TATCCCATTG	TTGGTGGTGA		
TGTGGACACA	GGATTATTTA	TCTCAACTCA	GCAGCAGGTC	ACATTTCTCT	700
TGAAGATTAA	GAGAACCAGG	AAAGGCTTCA	GACTTCTGAA	CCCACATCCT	
				A	
AAGCCAAACC	CCAAAAACAA	CTGA			774

## 6/6 ISOFORMS OF THE FCER1A PROTEIN

			VA D THE E MINT		
CNGNNFFEVS	STKWFHNGSL	SEETNSSLNI	VNAKFEDSGE	YKCQHQQVNE	100
			R		
SEPVYLEVFS	DWLLLQASAE	VVMEGQPLFL	RCHGWRNWDV	YKVIYYKDGE	
N					
ALKYWYENHN	ISITNATVED	SGTYYCTGKV	WQLDYESEPL	NITVIKAPRE	200
		M			
KYWLQFFIPL	LVVILFAVDT	GLFISTQQQV	TFLLKIKRTR	KGFRLLNPHP	
				K	
KPNPKNN					257